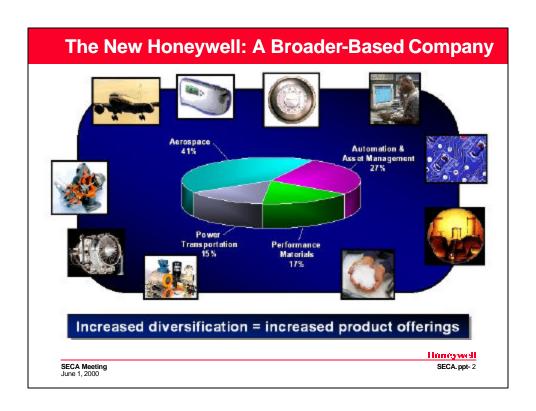
Honeywell

Honeywell Solid Oxide Fuel Cells Markets and Technology Status

Nguyen Minh Honeywell Engines & Systems Torrance, CA

> SECA Workshop Baltimore, MD June 1-2, 2000



Approaches to SOFC Technology

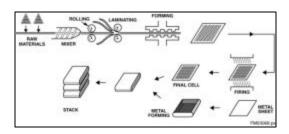
- Light weight and small size
- High performance
- Modularity
- Fuel flexibility
- Low-cost manufacturing and material

Honeywell

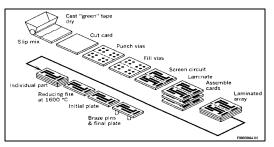
SECA Meeting June 1, 2000 SECA. ppt- 3

Low Cost Manufacturing Process

 Stack fabrication process with tape calendering

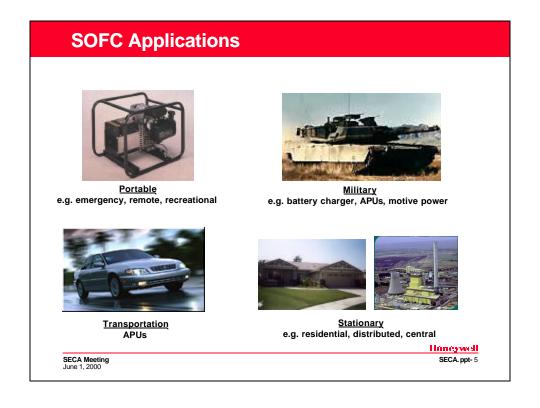


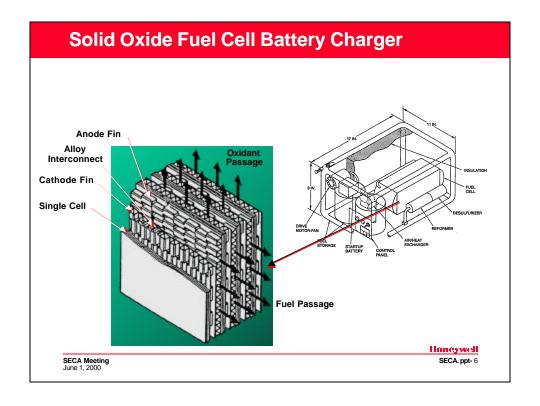
 Multilayer electronics fabrication process

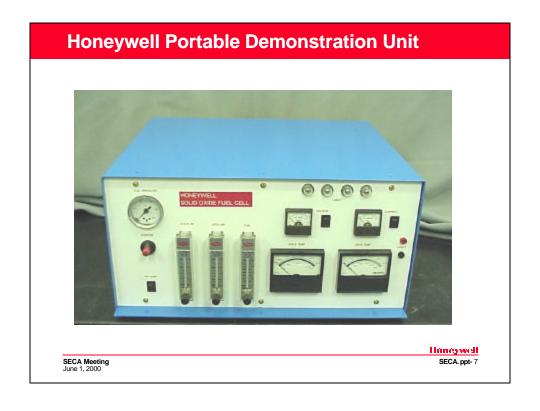


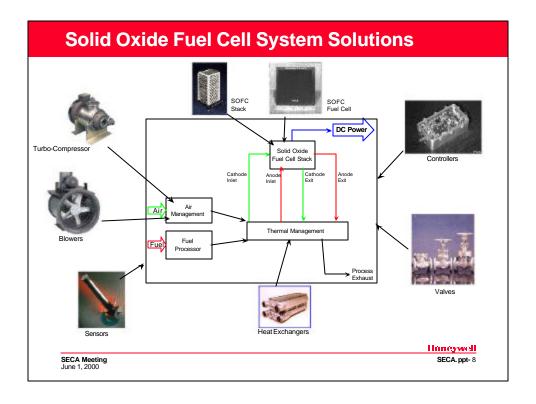
SECA. ppt- 4

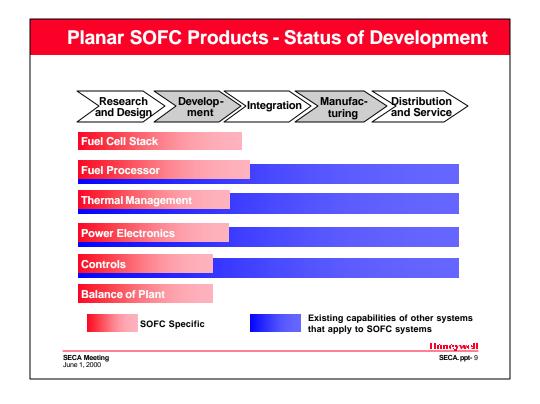
SECA Meeting June 1, 2000

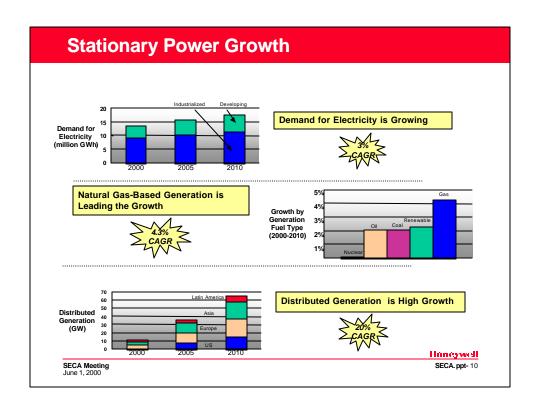


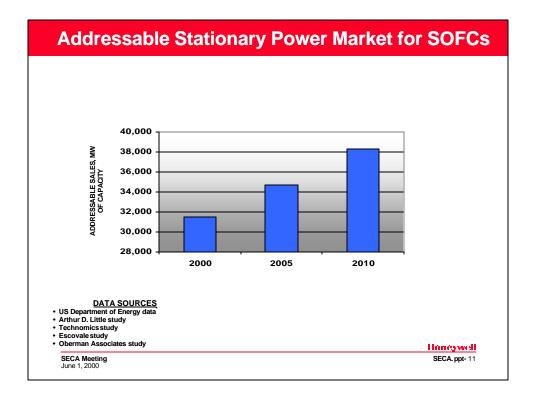


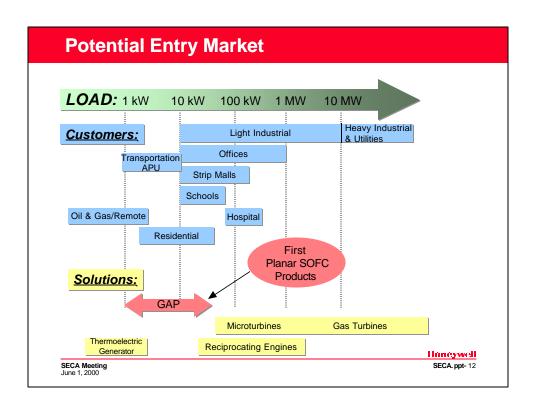












Concluding Remarks

- Honeywell has been developing low-cost, highperformance planar SOFC technology for a broad spectrum of power generation applications
- Honeywell has developed business plans and technology roadmaps to commercialize SOFC products

Honeywell

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